



HPI

TE Internal #: 1775470-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Signal, Natural, Reel, HPI

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Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **7**

Number of Rows: **1**

[All AMP HPI 2.0 mm Headers \(183\)](#)

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.5 mm[.138 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Nickel
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	2 mm[.079 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	Without
PCB Mount Retention Type	Solder Peg
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	PA 9T GF
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	5.4 mm[.213 in]
Connector Height	6.15 mm[.242 in]
Connector Length	17.4 mm[.685 in]

Usage Conditions

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Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	500
Packaging Method	Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

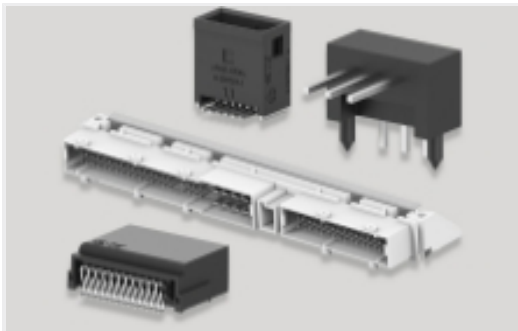


TE Part # 440129-7
2.0MM,HSG,7POS

Also in the Series | **HPI**



Connector Contacts(1)



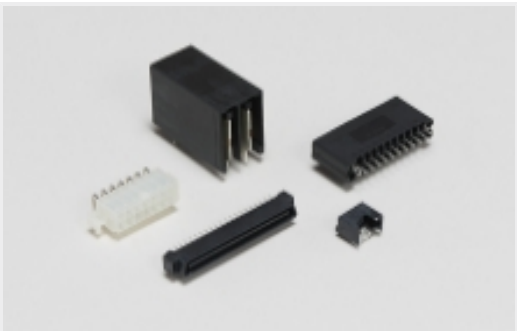
PCB Headers & Receptacles(332)



Rectangular Connector Housings(86)



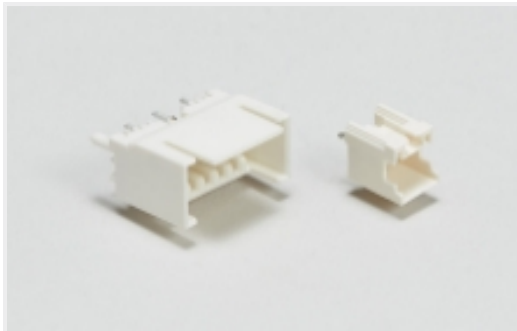
Rectangular Power Connectors(310)



Standard Rectangular Connectors(86)



Wire-to-Board Connector Assemblies
& Housings(48)



Wire-to-Board Headers & Receptacles
(332)

Customers Also Bought



TE Part #CAT-M5833-F3492A
Female-on-Board Connector, Top
Entry



TE Part #154806-E
SMCB 26 F AB VV 7-13 CL * H007 137
E002



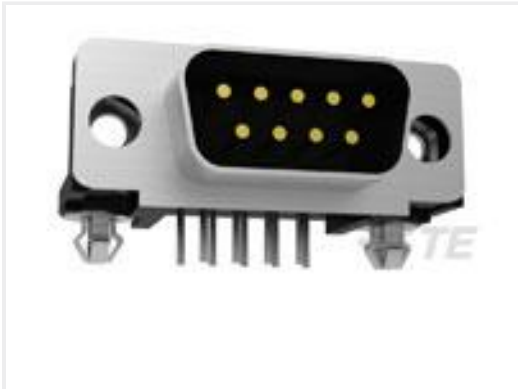
TE Part #2176231-1
3522 10R 1% 3W



TE Part #4-1393238-6
RTB74024



TE Part #350792-1
04P UMML PIN HDR ASSY 94VO



TE Part #5747840-4
HD-20 PLUG RA .318 FMS BD-LK 4



TE Part #5-1393224-8
RY212024



TE Part #CAT-H857-H34220
AMP HPI 2.0 mm Headers



Documents

Product Drawings

HPI CONN., 2.0MM, V/T, SMT, 7P, 80U"

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1775470-7_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1775470-7_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1775470-7_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

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